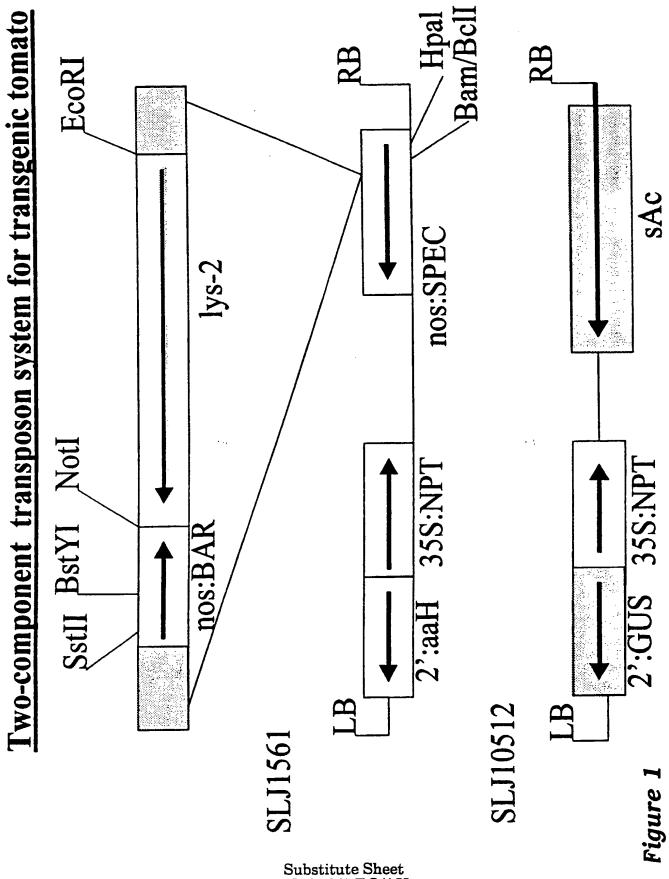
**\_**j



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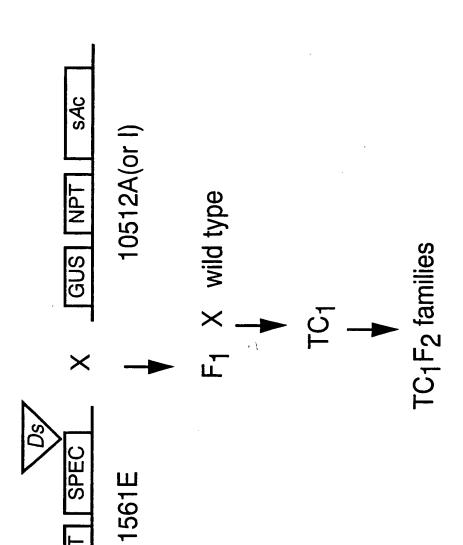


Substitute Sheet (Rule 26) RO/AU

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igure 2







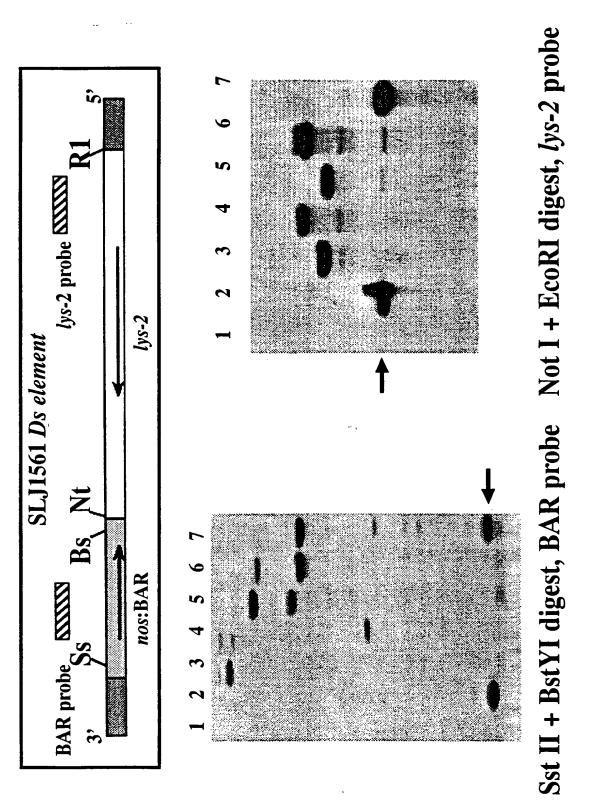


Figure 3

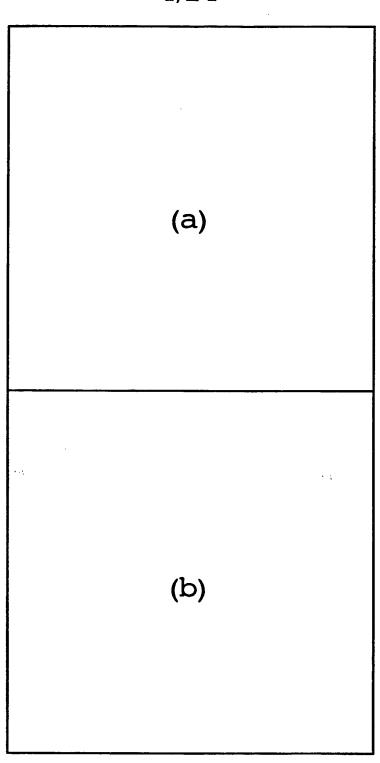


Figure 4(i)

FIG	SURE 4(i)		
981	TTTGAAATTTATGTATATATCTGTAGCATTAGAAACTATAAGAGTTGTTA	1030	Potato
40	TTTGAAATTTATGTATTTATCTATAGCATTAGAAACTATAAGAGTTGTTA	89	Tomato
1031	GCTTCACTTGTCTTATTGTTGTGCTCAAAGCAACTTCATCATACAGT	1077	
90	GCTTCACTTGGCTTACTGTTGTGCTCAAAGCAACTTCATCATCATACAGT	139	
1078	ATGGTTTTTATATGCTCTTCCATTATCACCGAACCTTATGATTATG.TGT	1126	
140	ATGGTTTTGATATGCTCTTCCATTATCACTGAGCCTTATGATTATGTTTT	189	
1127	ACGAGCTTATAATATTACTGATGGTGATTCAGTATTATGATTATGTCCTC	1176	
190	ACGAGCTTATAATATCACTGATGGTGATTCAGTATTGTGATTATGTCCTT	239	
1177	CATTAATTATTCTGTTTCATACAAGTCGTGTAATTTGCTGTTTGTGATTG	1226	
240	CGTTGATTATTCTGTTTCATACAAGTCGTGTAATTTGCTGTTTGTGACAG	289	
1227	TACGATAAATTGATTCAACCTTCTGCGGTGTTGGTTGAAGTTCAAGTAAA	1276	
290	TACGATAGATCGACTCAACCTTCTGAGGTATTAGTTGAAGTTCATGTAAA	339	
1277	TTAGCTTTATTTATCATAGTAGCATTTGATTATTGATGCTCTGTAGCTAA	1326	
340	TTAGCTTTGTTTATCATAGTAGCATTTGATTATTGATGCTCTGTAGCTAA	389	

1327	TGATAAGCCATTGAAGGGAAGCAGAAATGGTAAAGCTTTCTAAAATGAAT	1376
200		400
390	ŤĠĀŤĀĀĠĊĊĀŤŤĠĠĀĠĠĠĀĀĠĊĀĀĠĊŤŤĊŤ.ĀĀĀŤĠĀĀŤ	428
1377	CTACGAATGGATAAAGTTAATGAATATTGTTGATACTTCTGCAATCA	1426
429	CTACGAATGGATAAAGTTCATGAATATTTTTGTTACTTCTGCAGTCA	478
1427	GATTATGAGTTACTG.TTTTTTAAGCCTGTTTCAGATGATC	1475
479		528
1476	GATCATCAACAACATATTCAGTGTAGTAGACATGATCGATC	1525
529	CATCATCAGTAACAACATACACGGTGTAGTCCCAAATCCATCA	571
1526		1573
572		610
1574		1623 //
611	TTTTCATGATGTCATTGAATTATTCAAGAA	640
1624	GTCACTTCGAGCATAATGTGAAAACATCCACATTT.TTCAA	1663
		1003
641	GTC <b>ACTTCGAG</b> CATAATGATTTTTCAAAATCCACCTTTGTTCAAGCA	CTA 690
	UQ406	050
	insertion	

1664	ATCCAGCAGAATTTTC	1679
691	CCACGTCTTTCATCTAGCCCACAACCGTGGTGGAGGATCTAGAATTTTC	740
1680	ATCAAACGGGTTCAACATTTACTACATGTATACACTCTGAAGTCTG	1726
741	ATGAAAGGATTCAAAATTTACAAACATATATATACACTATACACTATG	788
1727	AATCCACTAATTCTAGATGGTGCATCTGTGCCCCCACACTTGTGAAAGCT	1776
789	AATCCACTAATACTAGATGGTGCACCTGTGCCCCCACTCATGTGAAAGCC	838
1777	TATTCTCAATTTTTTTTTTCCAACAACTTGAATTCAGACCACACAACTC	1826
839	TATTCTCAATTTTTATTTTCC.ACAACTTAAATACAGACCGCACAACTC	887
1827	CCGTGTCTTGTACGGTCAGCATCTGAGTGGAGAACTCAA	1865
888	CCGTGTCTTGTGTGCTCGCTCGCTCAGCATGCAAGTCGAGAAAAGAAAG	937
1866	TTAAGTGACTTTAACG	1881
938	CAAAACAATGAAAACTTTACGAAAAATCAAAAAGTTGAAGGACTTTAACG	987
1882	TCGAGTTCTATAGTAAACAACCCCTATATCTT	1913
988	ŤĊĠĀĠĀŤĊŤĊŤĊĠŤĀĠĀĀĀĀĊĊŤĊŤŦŢŢĠŦĀĀĠĠŦŦĠĊĀŦĀĊĀŤĀĊŦŤŤ	1037
1914	TTTTCAAGCATGTTAAGATTGCGAACACACTGA	1946
1038	TTTTTCAG. ACTTTACTTATGGTATTATACTGAATATGTTATTGCTGTTA	1086
1947		1972
1087	TAGTAGTTGAGGGAATTTCTAGTCCGTTAATCTTGTACT	1136
1973	CAGTGTGTGTACTTTTAAAAAAAAAGTCAGTTTTTTAGTCTCTAAAACA	2022
1137	CAGTGTGTCTACTTTTCAAAAAAGTCAGTTTTTCAGTCTCTAAAACA	1183
2023	CATTTAAAT.AGAGTTTATTTG.CCATCTTTTGTTCCTCATACTAGACTT	2070
1184	CATTTAAATAAGAGTTTCTTTGCCCATCTTTTGTTCCTCATCCTAGGCTT	1233
2071	CGGAGTCAACACAACAACAACA 2094	
1234	GGAGTCAACACAACAACAACA 1256	

0 0 0 0 0 0 0 0

cgacggcccg	ggctggtaaa	tgcggaagct	tgcggaagct tgttacagat	ttgaaattta	2(
tgtatttatc	tatagcatta	gaaactataa	gaaactataa gagttgttag	cttcacttgg	10(
cttactgttg	tgctcaaagc	aacttcatca	tcatacagta	tggttttgat	15(
atgctcttcc	attatcactg	agccttatga ttatgtttta	ttatgtttta	cgagcttata	20(
atatcactga	tggtgattca	gtattgtgat	tatgtccttc	gttgattatt	25(
ctgtttcata	caagtcgtgt	aatttgctgt	ttgtgacagt	acgatagatc	30(
gactcaacct	tctgaggtat	tagttgaagt	tcatgtaaat	tagctttgtt	35(
tatcatagta	gcatttgatt	attgatgctc	tgtagctaat	gataagccat	40(
tggagggaag	caagctttct	aaatgaatct	acgaatggat	gataaagttc	45(
atgaatattt	ttgttacttc	tgcagtcaga	tcatgagtta	ttgagtctat	20(
tgtttttta	agcctgtttc	agatgatcca	tcatcagtaa	caacatacac	55(
ggtgtagtcc	caaatccatc	atatgcacct	tcttttcttc	aatttggtct	09
tgtttttt	ttttcatgat	gtcattgaat tattcaagaa	tattcaagaa	gtcacttcga	65
gcataatgat	ttttcaaaat	tcaaaat ccacctttgt	tcaagcacta	ccacgtcttt	70(
tcatctagcc	cacaaccgtg	gtggaggatc tagaattttc	tagaattttc	atgaaaggat	75(

### Figure 5(

# DSYDISES DSGIDI

### 9/24

a 800	E 850	t 900	a 950	g 1000	t 1050	a 1100	t 1150	t 1200	a 1250	t 1300	g 1350	a 1400	t 1450	1500
tccactaat	ttctcaattt	tgtcttgtgt	aacaatgaaa	agatctctcg	ttcagacttt	agttgagtga	gtgtctactt	ataagagttt	acacaacaca	ctttatctct	atctccaaag	tctatgttta	ctagaatctt	aagcaaggcg
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catata tatacactat acactatgaa tccactaata	cccactcatg	tacagaccgc	gtcgagaaaa	gttgaaggac	gttgcataca	tatgttattg	ccgttaatct	agtctctaaa	tcatcctagg	ttctgtttct	cggtgttatt	ttttcctatg	ataaagaaaa	tcaattggga ttcgagtaat
caaacatata	cacctgtgcc	acaacttaaa	cagcatgcaa	aaatcaaaaa	cttttgtaag	ttatactgaa	aatttctagt	tcagtttttc	cttttgttcc	atttccattt ttctgtttct	gcctcttcga	ttctcttaac	gctcaagtat	tgttaggggt
tcaaaattta	ctagatggtg	tttattttcc	gctcgtcgct	actttacgaa	tagaaaacct	acttatggta	cgtttgaggg	ttcaaaaaag	ctttgcccat	acaacaatga	tcctatgttt	aaccttattt	tgtagtactt	tgaattcatt

### Figure 5(ii)

# 197019EB.OBO16

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gaccaactta	tatattagtt	caatccataa	aatttgatgt	agtagttaca	1750
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caggaaggtt	gtatgactag	gatgcttcca	agtttggaaa	tcagcaacaa	1850
ctgaaaactc	ttattaaggc	tttaacatga	ccacgggatc	aaatcggttg	1900
ctgatatagt	gataaatcat	agaactgctg	ataacaaaga	tagcagggga	1950
atatacagca	tctttgaagg	aggaacatct	gatgaccggc	ttgattgggg	2000
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cttgcattac	caaaatttat	atgggaaaca	cgtccccgga	ttttgctgtt	2250

### Figure 5(ii

# DSYDISES.OSDIDI

## Figure 5(iv)

ggtgaattgt	ggaactctct	tctct tgcttatggc	caggacggga	aaccggaata	2300
taaccaggac	aatcatagaa	atgagctagt	tggttgggta	aaaaatgcgg	2350
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tgggatgatc	ggtgttttgc	ctcgaaaagc	tgtgactttt	atcgataatc	2500
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aaaaaaata	aataaattct	ttctacatat	ctcattgttt	tctattttac	2650
aagaaattta	tattcttttc	caggggattt	gagaaactcg	gcctgtggga	2700
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gagtgtgcac	atctagacac	ctcaactcgt	ttttcaccgt	gttaattgaa	2800
cacttcaact	tacaaaatga	tcgtgtagca	cctccaaaaa	ttatgtgtca	2850
caattagcca	cgtgcgagat	acacgaaaat	gagttggagt	agttagttgc	2900
caaataaaac	caagctgagg	tgtctaaatg	tgcacnctca	aagtnggatg	2950
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tgtttagtta	tatcgatttt	agttatttat	atgttgatta	tttcaccttc	3750

### Figure 5(v)

4500	gatggatcgg atgatgatga aaatgaagaa actgaggaga atgcttggtg	gatggatcgg atgatgatga
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4400	tottaaactt taccttcato ttootoogaa cactocoaat tccaaatooo	tgttaaactt taccttcatg
4350	aagettaagt atggtaetee teatgetaaa aeeeeeagg egaaaaaege	aagcttaagt atggtactcc
4300	gcaaaacccc gtcttctttg gatgatgttg aagcaaagct gaaagcttta	gcaaaacccc gtcttctttg (
4250	taactactca gatgctaaaa cgacgccgtc ttccactgat cggaaacaga	taactactca gatgctaaaa (
4200	tecgaatatg ggteegagte tegaacaagg gaggaagagg aagaegaaga	tecgaatatg ggteegagte
4150	gtgctaatca cagccgtgaa gatctggagc tttctgattc cgagtctgaa	gtgctaatca cagccgtgaa (
4100	tgttttcaca ttttacctct aaatcaactc gagtcccttt gttcaa <u>atgg</u>	tgttttcaca ttttacctct
4050	gctcctcaca gttctcccct attcagattt gattcattct cttcatttt	getecteaca gtteteceet
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3950	nttcctcatc ccacttgtac cagttgaaac	tattttattt aaaatgggat 1
3900	atctatagcc aaacggctcc aaaacaataa ataatttaca tttattgtag	atctatagcc aaacggctcc a
3850	tcaaatttaa tataaatttt ttttgtcaac	gtttgaatat gaactaatct t
3800	aataatgcat ataaagatgg taaatgattg gattgatcga attcgaatga	aataatgcat ataaagatgg t

## Figure 5(vi)

# DOVOISE OSCILL

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ggttttgaaa attgggtcga aggttcgggc taagattgat gagaatttgc	4550
agctcaaggc atttaaggag cagaaaaggg tggattttgt ggcgaatggg	4600
gtttgggctg tgagattctt tggggaggaa gagtataagg cgttcattga	4650
cttatatcag agctgtttgt ttgagaatac ttatgggttt gaggcaaatg	4700
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gaagagccct gcgtctgaaa agaagacacc tttgagggtt aaccatgatt	4850
tgagggagga gtttgaggag gcagctaaag gaggagctat tcagagcttg	4900
gcattaggtg cgttggataa tagttttctt ataagtgatt ctggaattca	4950
ggttgtgagg aactatactc atggaataag tggaaaaggt gtttgtgtca	5000
attttgataa ggaaaggtct gctgtaccta attccactcc aaggaaagct	5050
ctacttctaa gagctgagac taatatgctt ctcatgagtc cagtgactga	5100
tagaaagcct cactctcggg gattacatca gtttgatatc gagactggga	5150
aggttgttag cgagtggaag tttgagaaag atggaactga tatcacgatg	5200
agggatatca ctaatgatag caaaggagct cagatggatc cttcggggtc	5250

## Figure 5(vii)

tactttctta gggctagatg ataacagatt gtgtaggtgg gatatgcgtg	530(
atoggcatgg gatggtccag aatctagttg atgaaagtac tcctgtgctg	535(
aattggactc aaggacatca attttcgagg ggaactaact ttcagtgctt	540(
tgctactact ggtgatggat caattgttgt tggttcactt gatggcaaga	545(
ttagattgta ctcaagcagt tccatgagac aggctaaaac tgcttttcca	550
ggccttggtt ctcctatcac tcatgtggat gttacctatg atgggaagtg	555(
gatattgggg acaactgata cttacttgat attgatatgc accttgttta	260
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aagattteeg etecaagatt gttaaageta aaceeteteg atteacatat	570(
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tcaggttggg ttgaagagct gctattgtta caagatagtc ctaagagacg	290
actetattgt agaaagtegt tteatgeatg acaagtaege tgtttetgae	595(
tcacctgaag caccactggc ggtagcaacc cccatgaaag tcagctcatt	9009

## Figure 5(viii)

cagcatctct agcaggcgct tacaaattíg aacaatcatt ctgttcatat	6050
acgcaactta ttagatttat ctgtagcaga attagtgtct ctcacactaa	6100
gtagcttgaa aaactgcaca tctgcaaatc atttccagtt caatgtatta	6150
ctactttagt ttaaaaacct taaaaggcag tcttccaaat tctaggtatc	6200
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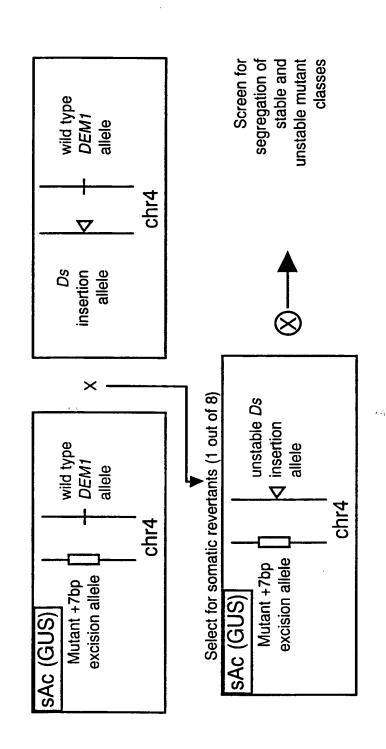


Figure (

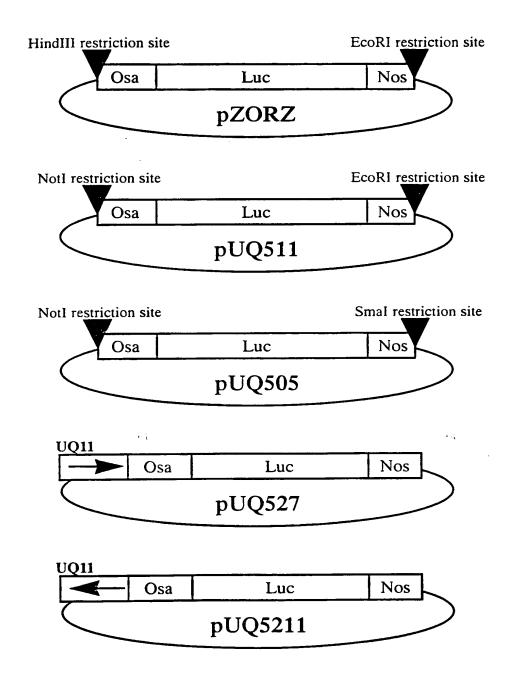


Figure 7
Substitute Sheet
(Rule 26) RO/AU

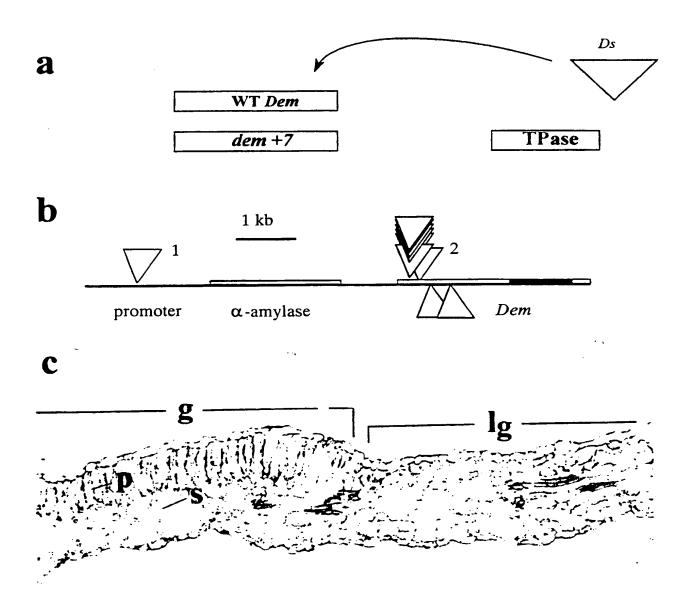


Figure 8

Substitute Sheet (Rule 26) RO/AU

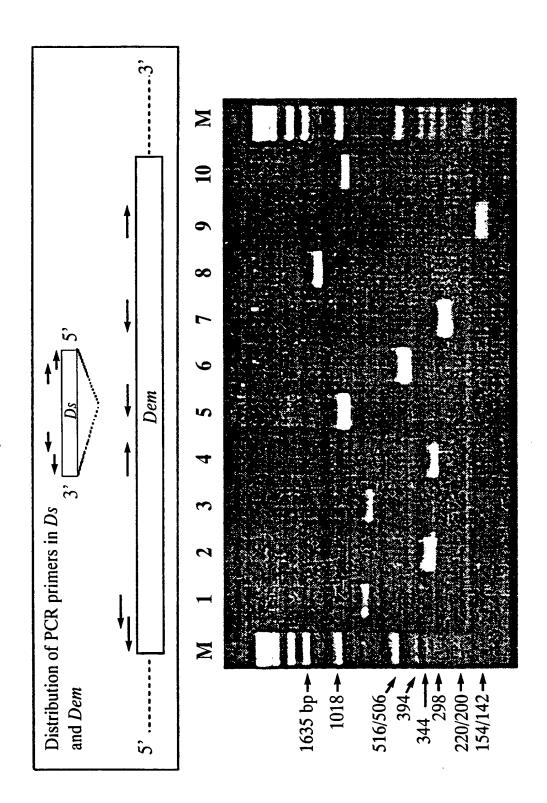
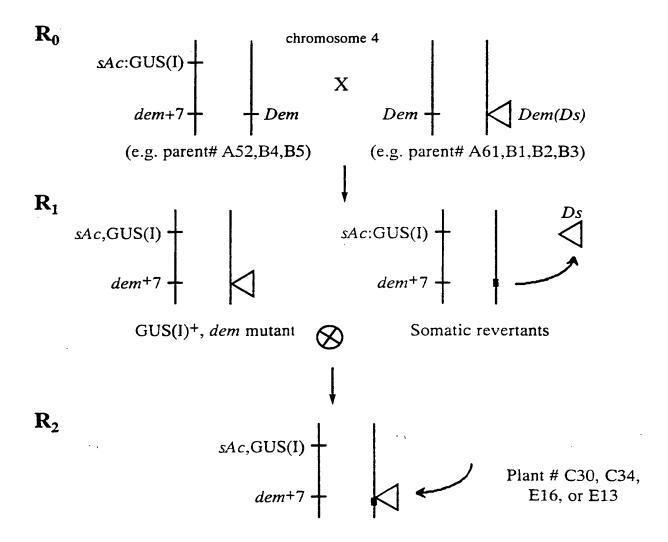


Figure 9



GUS+variegated dem plants; PCR test was used to detect Ds reinsertions in Dem

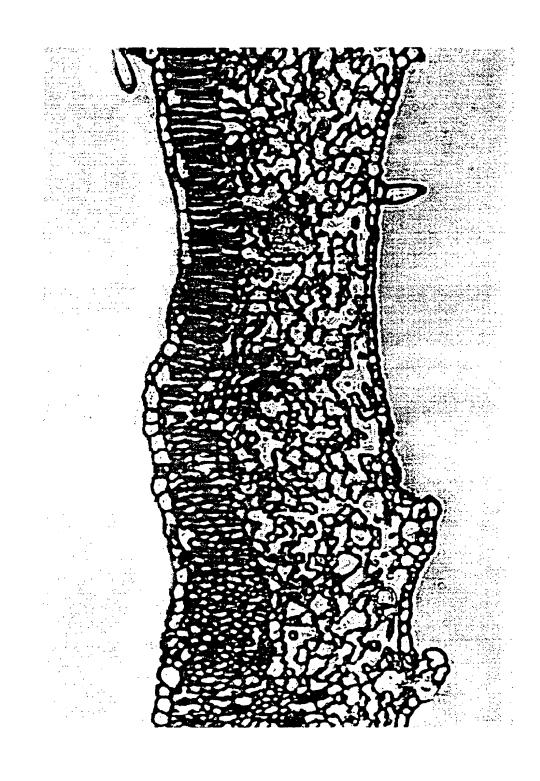


R<sub>3</sub> Select for GUS<sup>-</sup> stable dem mutant lines with genetically modified palisade tissue

Figure 10

Substitute Sheet (Rule 26) RO/AU

DOYOLONG. DOOLOL



Substitute Sheet (Rule 26) RO/AU

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TACAAATTGC ACTGGACAAA TATCACTCAC GTGGACCCTT GGATCATTAA GTAATATTGT GCTTTTTAAT CCTCTTATAA GATCCATCCC AATAACATGT TTGTTAATCA CTGATCTTGA AAGTAGCATT GTCATTTCAA GCTATCTTTA GAACCAAAGA GAGCTTAAAT TTGAGATCAA AAATACAATT AAGTAACGGA CCTGAGAACA ACTCTGGTCC GATGATGCTG TGTTAACATC CACACAAATT CACATTTCAT AACAAAAGC AAGTAGAATG GAGACGAGAA GTCTCAAGAT GCACCGGTGA ATAACAACTG TCACATTGTT TGCAATTATA TACGTTTTTG TCAATTGCGA TGTCCCATCA GAATACCTCT TCTTGTATAG CACTGAGTTA CCGTCG CGACGTTGGA TCTTTGGCTC TTTACAAAGA CCTGTAGACC CTTTTGGTGT TGGGCCTGTG AAACGAACGA GGGGGCCATC ATTGCTTGGN ACTTGTTCAA TTGCACTATT CGTAAGCGCT CCAGCCCGGG TTTTCTGACT CACCTGAAAT TCCCTGAAAG TCGGGCCTAA ACTCTAACCA CTTAAGAATC ATCCTACTGT TCATGTTCCA GCGAATTTGG TAAGCACATT CACCTACGAT TACCAGCTTT AGAACTACAT GTAGCTGTTG ACAAAGAAAT AAAACAGATA CGACCATGTA CCCCTCATGA TTCAAACTAT TTCAACCCAA AAGTTCAAGG TTCCACCTT ACGGCTAAGA AAAAGGAAGA TATTCTTTG ACTGATCTCG AGCACATCTA CCAAAAACAT ATTAACTTGC GTTCATGATT CTTTTCTTAT GAGGAAACTG ATAGCCAGTG CCACATATAG TAATCCAGGA 51 101 201 251 301 351 151 401 451 551 601 501 651 701 51 801 851

### Figure 12



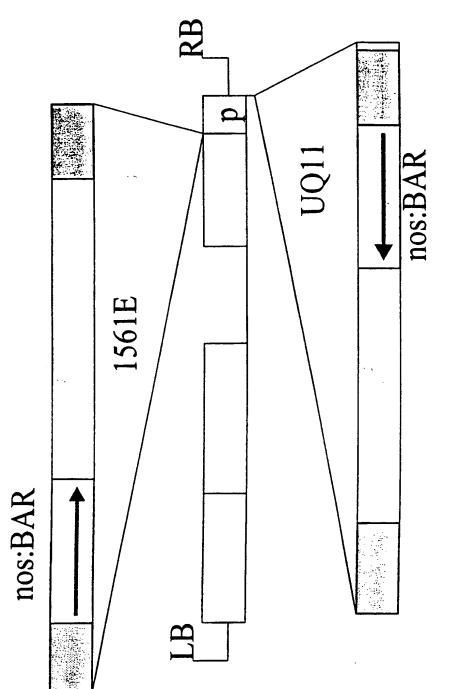


Figure 1